

What is claimed is:

1. An image pickup device comprising:

a ceramic package in which said image pickup device is mounted; and

5 an optical member which seals a space defined between an image pickup surface of said image pickup device and the optical member within the ceramic package;

wherein said optical member is provided, on the
10 surface thereof which is opposed to said image pickup surface, with a coating layer formed by ion-plating, said coating layer being adhered to the ceramic package by an adhesive.

2. The image pickup device according to claim 1,
15 wherein the coating layer formed by the ion-plating is made of a single layer.

3. The image pickup device according to claim 1, wherein the coating layer formed by the ion-plating is made of a plurality of layers.

20 4. The image pickup device according to claim 1, wherein the coating layer formed by the ion-plating is made of a single layer of one of SiO_2 , Al_2O_3 , ZrO_2 and Ta_2O_5 .

5. The image pickup device according to claim
25 1, wherein the coating layer formed by the ion-plating

is made of a plurality of layers having a combination of any of SiO_2 , Al_2O_3 , ZrO_2 and Ta_2O_5 .

6. The image pickup device according to claim 1, wherein the thickness of the coating layer is in the
5 range of 50 to 150 nm.

7. The image pickup device according to claim 1, wherein the coating layer is formed in a shape of a frame around the peripheral edges of the optical member, said peripheral edges abutting against a
10 stepped portion of the ceramic package.

8. The image pickup device according to claim 1, wherein the optical member comprises one of an infrared absorption filter, an optical low-pass filter, a color correction filter and a protection glass.

15 9. The image pickup device according to claim 1, wherein the optical member comprises a combination of any of an infrared absorption filter, an optical low-pass filter, a color correction filter and a protection glass.

20 10. A coating frame for forming a coating layer onto an optical member, said optical member used to seal a space defined between an image pickup surface of an image pickup device and the optical member, said coating frame comprising:

25 a frame portion which positions and holds said

optical member in a predetermined position;

a mask portion which is formed inside said frame portion and masks a surface of said optical member which is opposed to said image pickup surface; and

5 a through-groove which extends through said mask portion, wherein said surface of said optical member, on which said coating layer is to be formed, is exposed via said through-groove.